

DIRECTIONS FOR USING

EASTMAN'S SOLIO.

SEPARATE TONING BATH.

WASH in 5 or 6 changes of water or sufficient to remove the free silver.

TONF in a plain gold bath, using about 1 gr. of gold to 48 oz. of water. Neutralize by adding a saturated solution of borax, bi-carbonate of soda or sal soda.

When toned, immerse prints in running water where they may remain until all are ready for the fixing.

If running water cannot be had put prints into

SHORT STOP: Salt, ... 1 oz.
Water, ... 1 gal.

If there is a large batch of prints to be toned do not allow prints to lie in short stop solution, but put them into a tray containing clear water where they may remain until all are ready for the fixing.

Fix twenty minutes in

Water, ... 1 gal.
Hypo, ... 13 oz.
Solio Hardener, ... ¼ oz.

TO MIX WITH HYDROMETER, take water 1 gal., add sufficient Hypo to test 25 gr. to the oz., and add ¼ oz. of SOLIO hardener Solution.

WASH 1 hour in running cold water or in 16 changes of cold water, keeping prints separated so the water may have a chance to eliminate the chemicals.

DETAILS.

The toning bath will tone in 6 or 7 minutes.

Tone by transmittance for the high lights and half tones only, paying no attention whatever to shadows.

We recommend a neutral bath and advise the use of Squibb's red litmus to test with.

Solio hardener in the fixing acts as a clearing agent.

One gallon of fixing bath is sufficient for 1 gross cabinet size SOLIO or its equivalent.

HOW TO MAKE SOLIO HARDENER.

Chloride of Aluminum, ... 3 oz.
Bi-Sulphite of Soda, ... 2½ oz.
Cold Water, ... 12 oz.

Put both chemicals in the water and shake until dissolved.

SOLIO HARDENER POWDERS. It is important that properly tested chemicals should be used in mixing the SOLIO Hardener, as otherwise the desired results may not be secured. We therefore put up in convenient powder form the amount of chemicals required to make 16 ounces of the SOLIO Hardener at 40 cents each.

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COMBINED TONING BATH.

PRINT SAME AS ALBUMEN.

Stock Solution : **A** Hyposulphite of Soda, ... 8 oz.
 Alum (Crystals), ... 6 oz.
 Sugar (granulated), ... 2 oz.
 Water, ... 80 oz.

Dissolve above in COLD WATER, and
 When dissolved add Borax 2 oz.
 Dissolved in hot water, ... 8 oz.

Let stand over night and decant clear liquid.

Stock Solution : **B** Pure Chloride of Gold, ... 7½ grains*
 Acetate of Lead (Sugar of Lead) 64 grains
 Water 8 oz.

Solution B should be shaken before using and not filtered.

TO TONE 15 CABINETS, TAKE

Stock Solution A, ... 8 oz.
 Stock Solution B, ... 1 oz.

Place prints without previous washing into the above.

Tone to desired color and immerse prints for 5 minutes in following Salt Solution to stop the toning:

Salt, ... 1 oz.
 Water, ... 32 oz.

After the salt bath give one change of cold water and fix for 10 minutes in the

**EXTRA
 FIXING
 BATH:** Hyposulphite of Soda, ... 1 oz.
 Sulphite of Soda (Crystals), ... 60 grains
 Borax, ... ¼ oz.
 Water, ... 20 oz.

WASH 1 hour in running cold water or in 16 changes of cold water, when prints may be mounted same as albumen prints.

DETAILS.

THE EXTRA FIXING BATH should be used to ensure *thorough fixing*.

THE COMBINED BATH MUST BE USED COLD, not above 50° Fahr. This condition can be obtained by placing a piece of ice in the bath when toning. If the bath is too warm it will give yellow prints with a greenish cast in the half tones.

USE A THERMOMETER and keep it in the toning bath all the time.

THE COMBINED BATH IS AN ACID SOLUTION. The borax neutralizes only the *excess* of acid in the alum. Any attempt to neutralize the bath will precipitate the alum.

The combined bath should not be used a second time.

CLEAN ALL TRAYS once a week with nitric or sulphuric acids and water to prevent white spots or blotches on the prints.

Prints allowed to stand over night in water are liable to turn yellow, they should be mounted as soon as washed.

*Or double the quantity of chloride of gold and sodium.

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J. Neppin

sc/100

June 13

J. Neppin

GLACE FINISH. MOUNTING. SPOTTING.

GLACE FINISH. Clean the ferrotype plate with warm water each time it is used. Polish with a soft cloth until plate is absolutely free from dirt or specks of any description. Swab with a tuft of soft cloth or cotton batting wet with a solution composed of benzine 1 oz., paraffine 10 gr. Rub dry with a clean cloth and polish with a chamois skin or very soft cloth. Use a soft brush to remove particles of dust. Then squeegee the wet print onto the plate and rub down with a dry blotter. The print must be in perfect contact to produce a uniform and even surface. This can be obtained by placing a piece of cotton or rubber cloth over the print and using a small print roller to rub down.

MOUNTING. The prints may be mounted with starch paste in the ordinary manner; use dry Castile soap for lubricator, or, if it is desired to mount them with *glace surface*, the back of the print when nearly dry should be brushed over with a very thin solution of pure white glue, after being well filtered. Use a camel's hair brush. When thoroughly dry the print should be stripped from the ferrotype plate. To mount, moisten card with a wet sponge. Place print in proper position and rub down.

SPOTTING. The solution given below will prevent the spotting ink from rubbing off in the burnisher, and will give a gloss equal to balance of print.

Solution A, ... Alcohol, 1 oz. Thymol, 4 gr.
Solution B, Water, 1 oz.; Gelatine, 15 gr.; A, solution, 1 dr.

Heat Solution B to not over 120° Fahr. until thoroughly dissolved.

For use mix, with the spotting brush, Solution B with the color and if too thick the brush may be dampened with water or saliva.

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PRICE LIST

Size.	1/4 Doz.	Doz.	1/2 Gross.	Gross
2 1/2 x 2 1/2, ...	2 doz.	\$0.20	\$0.60	\$1.00
2 1/4 x 3 1/4, ...	2 doz.	.20	.60	1.00
2 1/2 x 3 1/2, ...	2 doz.	.20	.60	1.00
2 1/4 x 3 3/4, Carte de V.	2 doz.	.20	.60	1.00
3 1/2 x 3 1/2, ...	2 doz.	.20	.60	1.15
3 x 4, Mantello, ...	2 doz.	.20	.60	1.00
3 1/2 x 4, ...	2 doz.	.20	.60	1.15
4 x 4, ...	2 doz.	.25	.70	1.25
3 1/4 x 4 1/4, ...	2 doz.	.20	.60	1.15
3 1/4 x 5 1/4, ...	2 doz.	.25	.70	1.25
4 1/4 x 4 1/4, ...	2 doz.	.25	.70	1.25
3 3/4 x 5 1/2, Cabinet, ...		.20	.80	1.50
3 3/4 x 5 3/4, ...		.20	.90	1.60
4 x 5, ...	1 doz. .15 2 doz.	.25	.70	1.25
4 1/4 x 5 1/2, ...		.20	.90	1.60
4 x 6, ...		.20	.90	1.60
4 1/4 x 6 1/2, ...		.25	1.25	2.10
4 3/4 x 6 1/2, ...		.25	1.40	2.40
5 x 7, ...		.30	1.60	2.65
5 x 7 1/2, ...		.30	1.70	2.90
5 x 8, ...		.30	1.75	3.00
5 1/2 x 7 3/4, Paris Panel, ...		.35	1.90	3.25
6 x 8, ...		.40	2.25	4.00
6 1/2 x 8 1/2, ...		.45	2.40	4.25
7 x 9, ...		.50	2.75	5.00
7 1/2 x 9 1/2, ...		.55	3.25	6.00
8 x 10, ...		.60	3.50	6.50
10 x 12, ...		.90	5.25	10.00
11 x 14, ...	\$0.65	1.20	7.00	13.00
12 x 15, ...	.75	1.35	8.25	15.30
14 x 17, ...	.95	1.80	10.50	20.00
16 x 20, ...	1.25	2.40	14.00	27.00
17 x 20, ...	1.35	2.60	15.00	29.00
18 x 22, ...	1.60	3.00	17.50	34.00
20 x 24, ...	1.85	3.50	20.50	40.00

Cabinet Seconds, - \$1.20 per gross
 4 x 5 " (trimmed), 1.10 " "

ROLLS.

10 foot Roll, 20 inches wide	\$1.40	5 yard Roll, 40 inches wide	\$4.00
10 " " 40 " "	2.75	10 " " 20 " "	3.75
5 yard " 20 " "	2.15	10 " " 40 " "	7.50

Roll paper is not furnished in smaller sizes or lengths than shown above.

Special sizes furnished at proportionate prices on orders amounting to \$1.00 list or more.

*STANDARD CABINET SIZE.—This size will be furnished on all orders for "Cabinets" when no special size is mentioned.

SOLIO SUPPLIES.

Concentrated toning and fixing solution.

8 oz. Bottle of Solution, ... \$0.50 | 1/2 Gal. Bottle of Solution, ... \$2.00

Solito Hardener.

8 oz. Bottle of Solution, ... \$0.35 | 1/2 Gal. Bottle of Solution, ... \$1.75
 Powder to make 16 oz. of Solution, ...40

CANADIAN KODAK CO., LIMITED

TORONTO, CAN.